Mesker
SAINT LOUIS

presents

GUILDHALL RESIDENCE CASEMENTS

CATALOGUE CR

IMPORTANT SUGGESTIONS

Standard industry sizes are the most economical and should be used wherever possible. They also allow for more prompt shipment. Sizes shown in shaded area are "Specials."

Side hinged ventilators always swing out. Inswinging side hinged vents are unsatisfactory.

Structural steel lintels and other adjacent members, with the exception of continuous head and jamb fins, are not furnished by the window manufacturer.

Glazing beads cannot be furnished on Guildhall Casements. All Guildhall windows are outside putty glazed.

Window dimensions listed are based on the outside to outside frame dimensions **plus 1/4 inch** for nominal safety clearance.

Screens. Guildhall Casements are made in screen and non-screen types. Neither type is interchangeable, and for most satisfactory results and least expense, screen type casements should be specified when screens are required.

Underwriters' Label can be furnished on Guildhall Casements. Consult your local fire board as to where to use Underwriters' Labeled windows to reduce insurance premium.

Shade brackets are not furnished, but on request standard shade bracket holes will be punched to receive brackets furnished by others.

Muntins may be partially or completely omitted in any standard sizes without incurring additional expense.

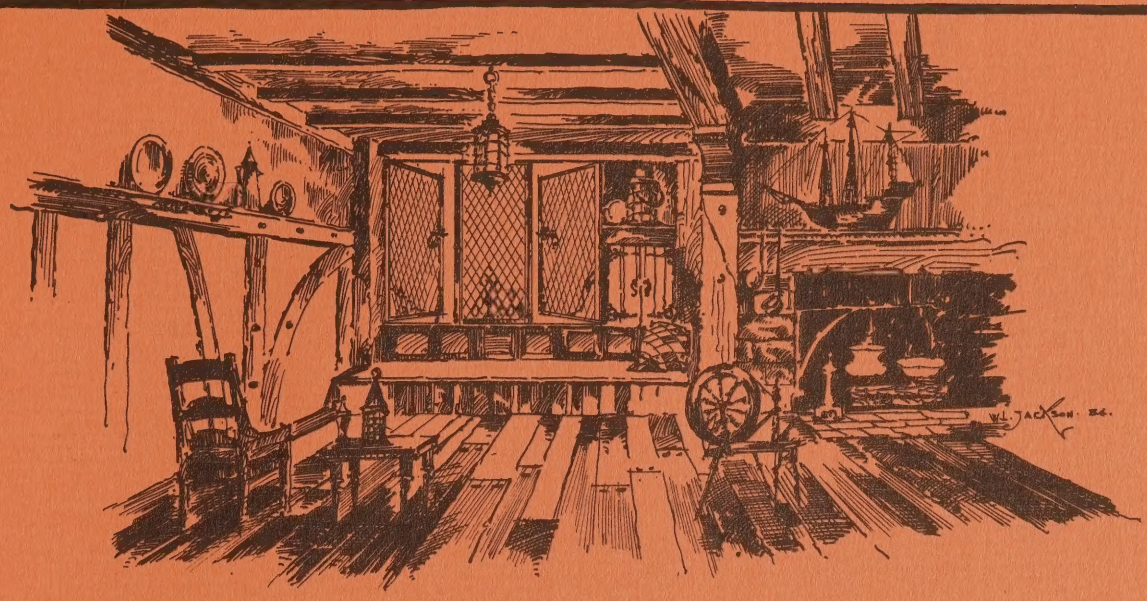
Erection of Guildhall Casements is an important item. It is by all means suggested that the window manufacturer be permitted to erect and adjust Guildhall windows. Ventilators must be tested by an experienced metal window mechanic for perfect operation and weather tightness. All casements are guaranteed to be in first class condition before leaving our factory, but if erection is done by others not familiar with steel window installation, we cannot assume any responsibility for the poor erection and adjustment usually done by inexperienced erectors. If windows are installed directly into masonry work, continuous fins should be used at the head and jambs to provide sufficient bearing in the wall. We guarantee that Guildhall Casements will make a satisfactory installation only if erected properly by experienced mechanics.

Adaptability. Guildhall Casements with their slim, attractive lines, small glass panes, and "old-English" style, have enhanced the architectural smartness of residences throughout the country. They are easy to operate, weather tight, and do not shrink or swell with the weather. In addition, Guildhall Casements permit the washing of windows from the inside.

The Guildhall Casement door is furnished in one size only. Standard hardware equipment includes steel hinges, bronze mortised lock (or bronze Cremorne bolt), and top and bottom bolts for the inactive leaf.

Your problems in window lay-outs, illumination, and ventilation will gladly be studied by the Mesker Engineering Division. For the asking, experienced factory engineers are at your service, without obligation, to design for you the best available type of window for your particular purpose at the least possible cost.

Other Mesker products not included in this catalog are listed on the last cover page.



SPECIFICATIONS

WORK INCLUDED:

1. Furnish where shown on drawings Mesker Guildhall Residence Casements as manufactured by the Mesker Brothers Iron Co. of St. Louis, or equal approved by the Architect.

FACTORY DRAWINGS:

2. Submit in triplicate for Architect's approval factory drawings showing complete details of construction, installation, and hardware, together with schedule of windows required.

MATERIALS:

3. Metal used shall be low carbon hot rolled billet steel in Z-shaped sections not less than 1" in depth nor less than 1/8" in thickness.

CONSTRUCTION:

4. **Corner joints** shall be mitre cut and solidly butt welded. All welds shall be dressed down to a smooth finish.

5. **Muntin joints** shall be mechanically interlocked and additionally arc-welded to insure maximum strength.

6. **Hinges** shall be of heavy 3/16" plate steel of the extension type with bronze pins and washers. Adjustable bronze clevis pins shall be furnished for friction-type hinges on non-screen casements, and standard bronze pins and washers shall be furnished for non-friction hinges on screen type casements. All hinges shall be solidly welded to the stationary frame and securely riveted to the ventilator frame.

7. **Weathering.** All ventilators shall be hung square and true and shall form a continuous 1/4" two-point contact with the frame. Special drips shall be attached over all ventilators that do not extend to the head.

8. **Glazing Design.** All ventilator lights shall be designed for 8"x12" glass. Glass rebates shall be not less than 1/2" on the Z section, and not less than 5/16" at the muntin.

9. **Mullions** (if not required, omit) shall be special T sections, punched with slotted holes to permit adjustment, and shall be bolted to the windows in the field.

HARDWARE:

10. All hardware shall be of (state whether bronze or malleable iron). Hardware for each non-screen ventilator shall consist of one lever type casement fastener complete with escutcheon plate and strike plate riveted to the frame. Hardware for each screen type ventilator shall consist of a single lever-type casement fastener acting through the ventilator frame and one special Mesker Universal gear-type operator with approved channel slide. All screen-type hardware shall be designed to permit the operation of the ventilator without the necessity of slotting the screen frame or cloth, and without removing the screen itself.

PROTECTIVE PAINTING:

11. All windows and erection fittings shall receive one coat of durable factory primer paint, oven dried to insure a smooth, clean finish.

CRATING:

12. All casements shall be securely packed to insure maximum protection in shipping.

SCREENS:

13. Screens shall be furnished for all screen-type casements. Each ventilator shall have a separate screen, and the screening of two vents with one screen shall not be permitted. No screen frame shall be notched, slotted, or otherwise distorted to accommodate hardware fittings. Screen frames shall be solid hot rolled steel sections 3/8"x5/8" with soft aluminum rewireable spline. Corners of frames shall be punched into the spline groove to facilitate the removing of spline and rewiring of frame. Screen cloth shall be number 16 mesh of bronze antique wire. All screens shall receive one coat of enamel thoroughly baked on. Two spring control lever-type bronze screen fasteners shall be furnished for each screen and shall securely fasten the screen on each side of the casement. All screens shall be boxed for shipment and neatly packed to insure maximum protection in transit.

ERECTION:

14. All casements shall be erected by the manufacturer. Units shall be set plumb and true and carefully caulked and grouted in place. Ventilators shall be tested for ease of operation and weather tightness before casements are set in final position. The manufacturer shall furnish sufficient caulking compound to seal the frames to the masonry.

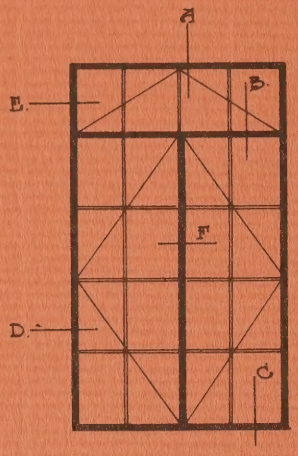
GLASS AND GLAZING:

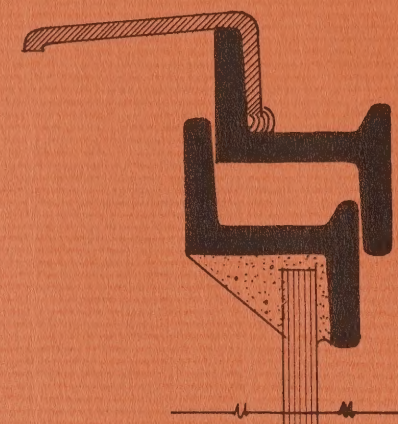
15. The manufacturer shall furnish sufficient glazing clips (at least four per light).

16. (Include under Glass and Glazing Specifications that glass shall be standard clear double strength, well face and back puttied, and that the putty used shall be special steel sash putty.)

GUILDHALL CONSTRUCTION DETAILS

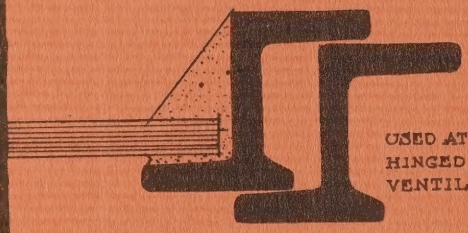
SECTIONS ARE FULL SIZE





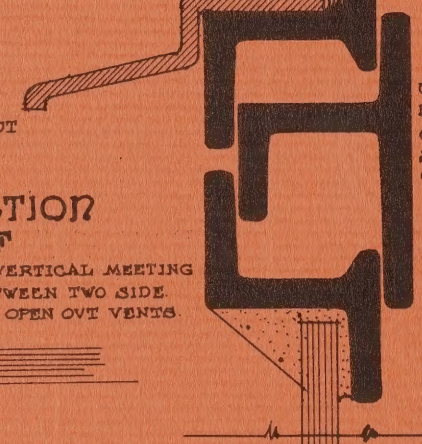
SECTION A

USED AT TOP OF TRANSOM VENTILATOR WHICH IS HINGED AT TOP TO OPEN OUT.



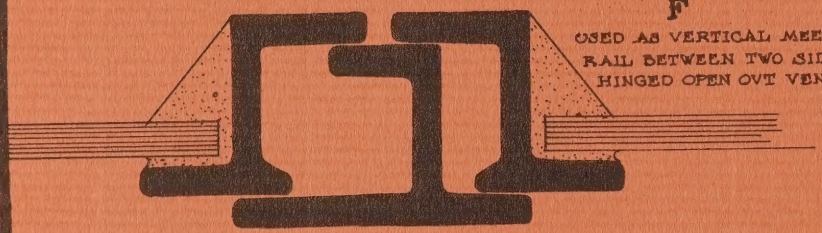
SECTIONS E & D

USED AT JAMBS OF SIDE HINGED AND TRANSOM VENTILATORS OPENING OUT



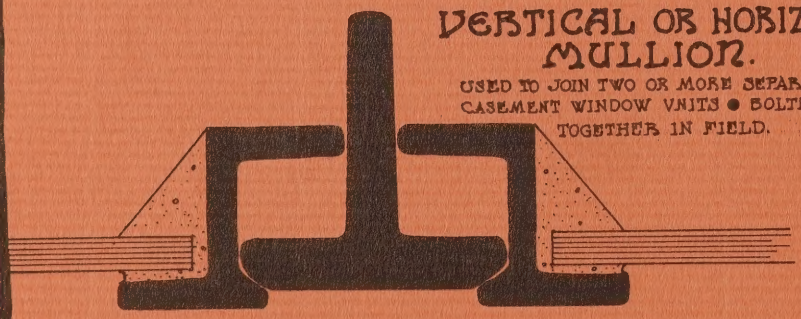
SECTION B

USED AS MEETING RAIL BETWEEN TOP HINGED OPEN OUT TRANSOM & SIDE HINGED VENTILATOR BELOW.



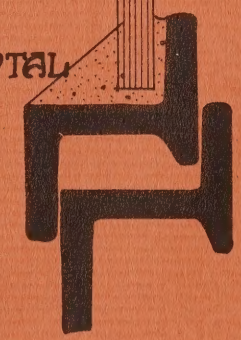
SECTION F

USED AS VERTICAL MEETING RAIL BETWEEN TWO SIDE HINGED OPEN OUT VENTS.



VERTICAL OR HORIZONTAL MULLION.

USED TO JOIN TWO OR MORE SEPARATE CASEMENT WINDOW UNITS ● BOLTED TOGETHER IN FIELD.

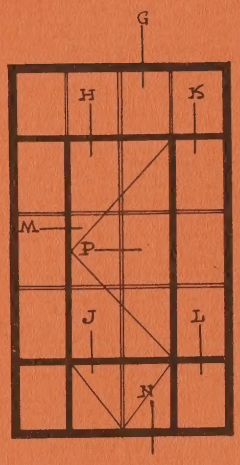


SECTION C

USED AT BOTTOM OF SIDE HINGED OPEN OUT VENTILATOR.

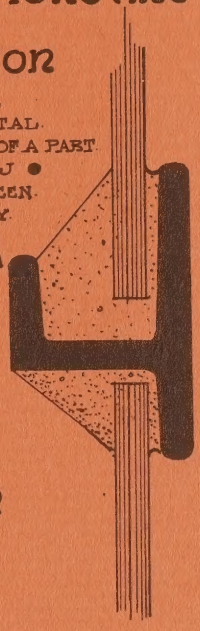
GUILDHALL CONSTRUCTION DETAILS

SECTIONS ARE FULL SIZE



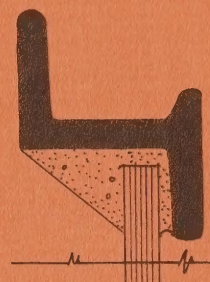
SECTION L.

A HORIZONTAL EXTENSION OF A PART OF SECTION J ● USED BETWEEN STATIONARY SIDELIGHT & FIXED TRANSOM ABOVE.



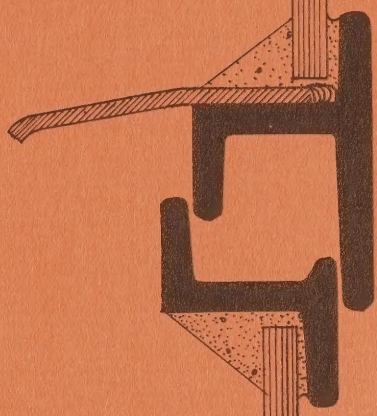
SECTION G

USED AT EITHER HEAD JAMB OR SILL. WHERE NO VENTILATOR OCCURS



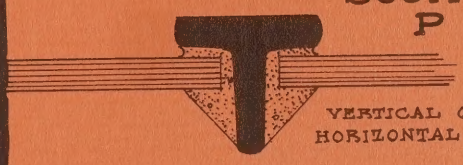
SECTION H

USED AS MEETING RAIL BETWEEN STATIONARY TRANSOM AND SIDE HINGED VENTILATOR BELOW.



SECTION P

VERTICAL OR HORIZONTAL MUNTIN.



SECTION M

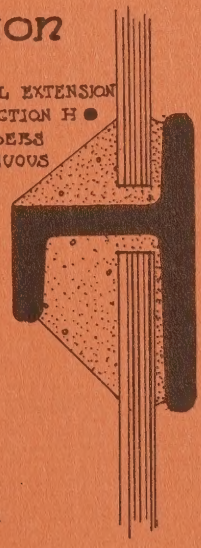
USED AS A VERTICAL MEETING RAIL BETWEEN A SIDE HINGED VENTILATOR AND A STATIONARY SIDE LIGHT.

SECTION J

USED AS HORIZONTAL MEETING RAIL. BETWEEN SIDE HINGED VENTILATOR ABOVE AND OPEN IN SILL VENTILATOR BELOW.

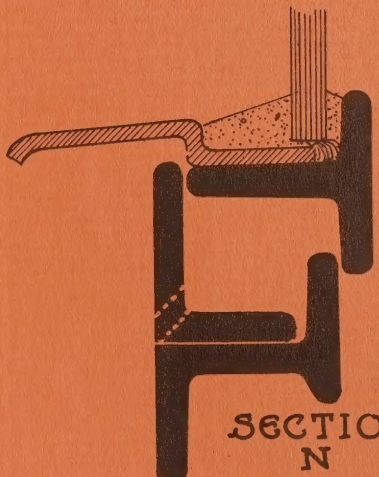
SECTION K

A HORIZONTAL EXTENSION OF PART OF SECTION H ● PERMITS MEMBERS TO RUN CONTINUOUS FROM JAMB TO JAMB.



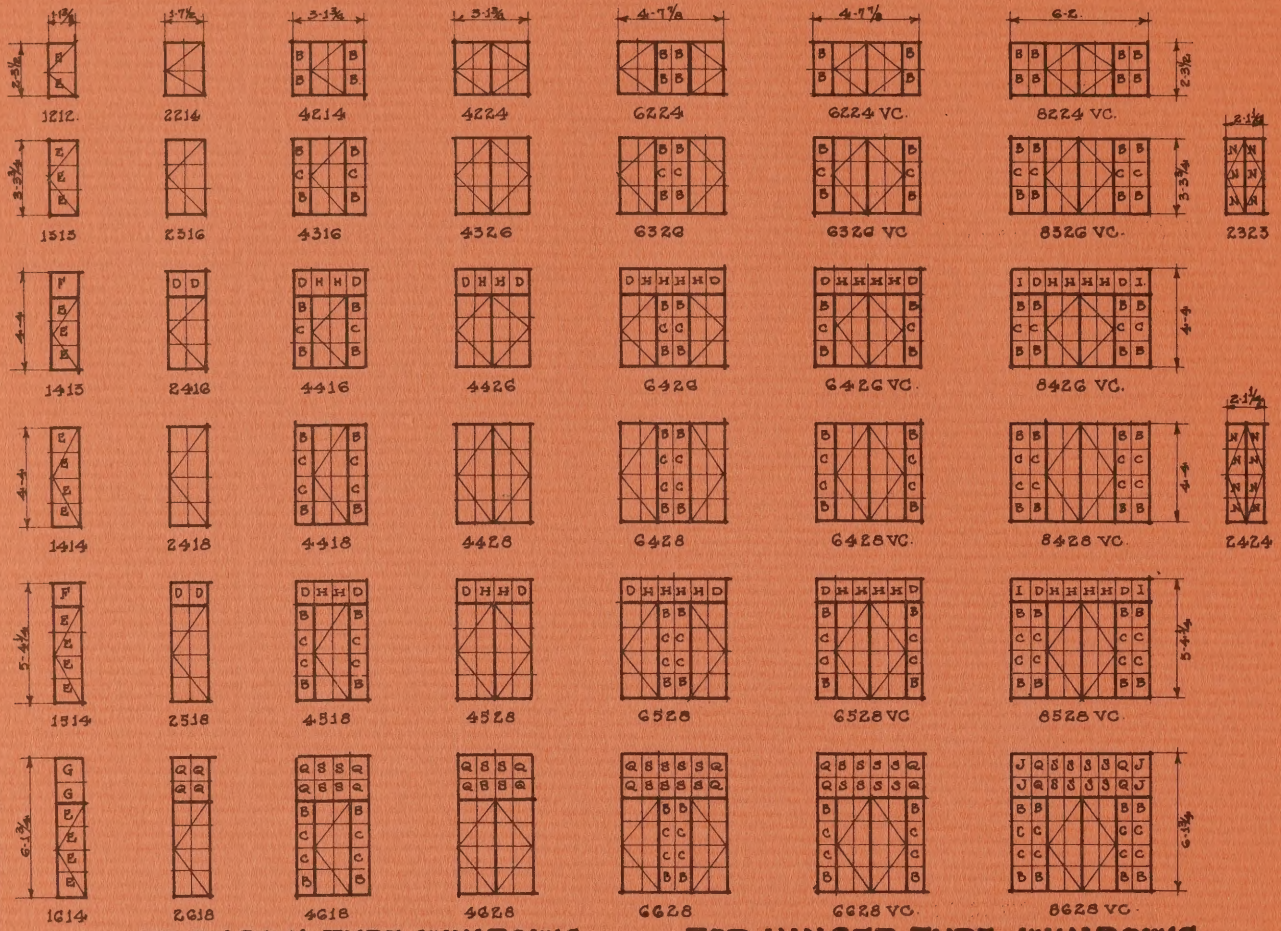
SECTION N

USED AT THE SILL OF AN OPEN-IN SILL VENTILATOR.

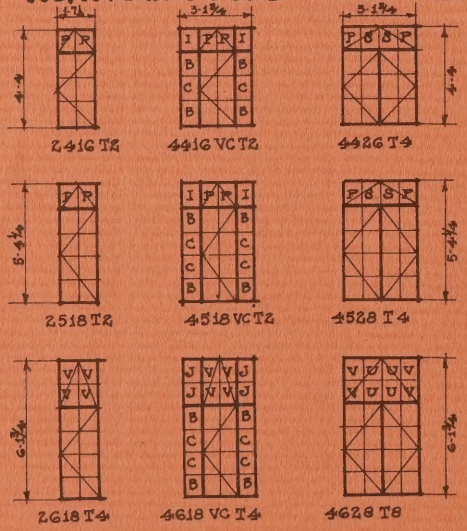


GUILDHALL CASEMENTS STANDARD SIZES*

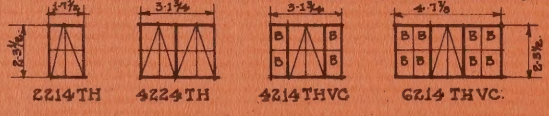
WINDOWS WITH SIDE HINGED, SWING OUT VENTILATORS



TRANSOM TYPE WINDOWS

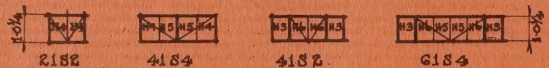


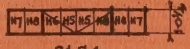
TOP-HINGED TYPE WINDOWS



BOTTOM-HINGED TYPE WINDOWS

SEE NOTE BELOW.





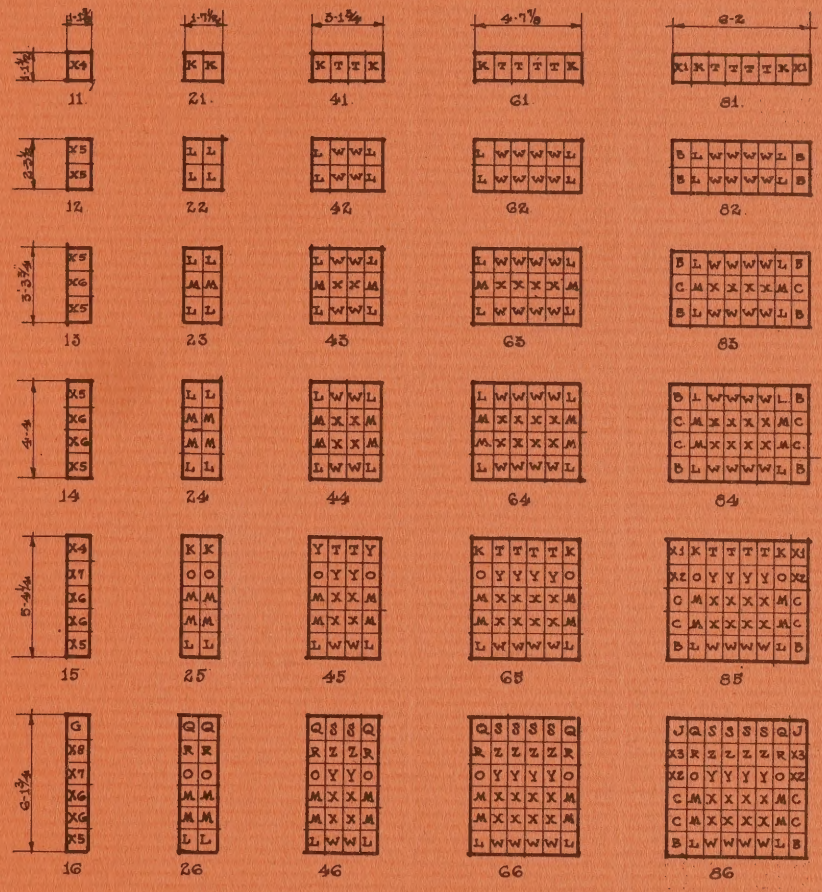
* IMPORTANT NOTES

DIMENSIONS SHOWN ARE NOMINAL MASONRY OPENING SIZES ● FOR ACTUAL WINDOW DIMENSIONS DEDUCT 1/4" FROM WIDTH & HEIGHT SHOWN ● SEE INSTALLATION DETAILS ● IF BOTTOM HINGED WINDOWS SHOWN ARE ATTACHED SEPARATELY TO A VNIT ABOVE USING THE STANDARD MULLION, THE TOTAL HEIGHT IS DERIVED BY ADDING THE HEIGHTS SHOWN FOR EACH UNIT & DISREGARDING THE MULLION WIDTH ● IF THE BOTTOM HINGED VNIT IS BUILT INTEGRAL WITH THE VNIT ABOVE FOLLOW THE AFOREMENTIONED PROCEEDURE THEN SUBTRACT 1 1/8" ●

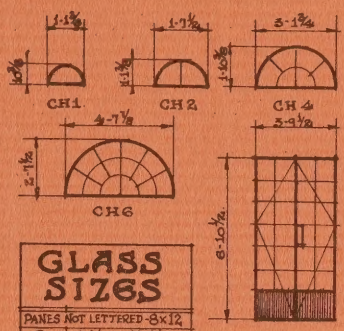
MESKER BROS IRON CO — ORIGINATORS OF WROUGHT IRON SASH — PLATE NO CR 11-55

GUILDHALL CASEMENTS.
STANDARD & SPECIAL SIZES

WINDOWS WITHOUT VENTILATORS



CASEMENT DOOR



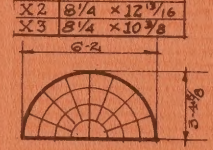
CASEMENT DOOR

GLASS SIZES

PANES NOT LETTERED - 8×12	
B	8 1/4 × 12 9/16
C	8 1/4 × 12
D	8 9/16 × 11 1/4
E	10 1/4 × 12
F	11 3/8 × 11 1/4
G	11 3/8 × 10 1/8
H	8 13/16 × 11 1/4
I	8 1/4 × 11 1/4
J	8 1/4 × 10 1/8
K	8 9/16 × 11 1/2
L	8 9/16 × 12 9/16
M	8 9/16 × 12
N	10 1/16 × 12
O	8 9/16 × 12 13/16
P	8 × 10 1/8
Q	8 9/16 × 10 1/8
R	8 9/16 × 10 3/8
S	8 13/16 × 10 1/8
T	8 13/16 × 11 1/2
U	8 9/16 × 9 9/16
V	8 × 9 9/16
W	8 13/16 × 12 9/16
X	8 13/16 × 12
Y	8 13/16 × 12 13/16
Z	8 13/16 × 10 3/8
H2	7 13/16 × 9 1/8
H3	8 1/16 × 10 1/4
H4	7 1/2 × 8 1/4
H5	8 13/16 × 8 1/4
H6	8 1/4 × 8 1/4
H7	8 3/8 × 10 1/4
H8	8 9/16 × 10 1/4
H9	8 1/8 × 10 1/4
X1	8 1/4 × 11 1/2
X2	8 1/4 × 12 13/16
X3	8 1/4 × 10 3/8

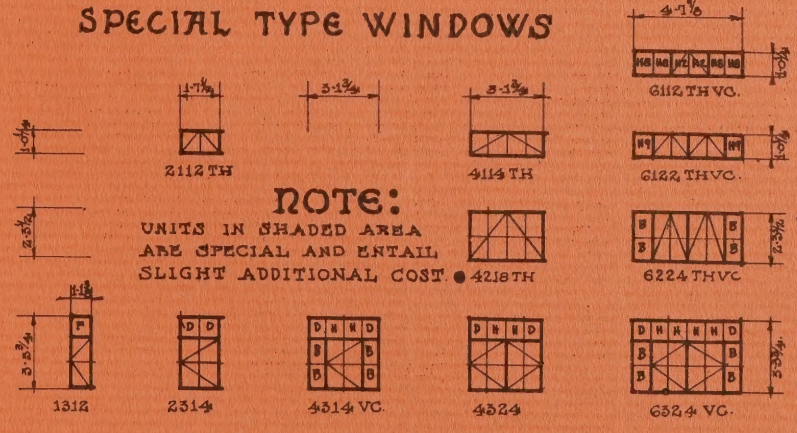
CASEMENT DOOR NOTE:

WINDOWS ARE SHOWN AS IF VIEWED FROM THE OUTSIDE ● MULLIONS DO NOT AFFECT THE COMPUTATION OF MASONRY OPENING DIMENSIONS ● DO NOT ADD FOR MULLIONS WHEN COMPUTING MASONRY DIMENSIONS ● HEAD OR JAMB FINS DO NOT ALTER OPENING DIMENSIONS ● IN ANY OF SIZES SHOWN MUNTINS MAY BE PARTIALLY OR COMPLETELY OMITTED WITHOUT ADDITIONAL COST.●



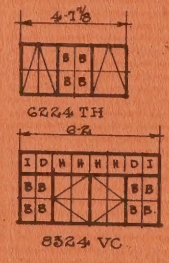
BULLS EYE

SPECIAL TYPE WINDOWS

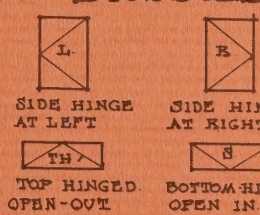


NOTE:

UNITS IN SHADED AREA ARE SPECIAL AND ENTAIL SLIGHT ADDITIONAL COST. ● 4218TH



VENTILATOR SYMBOLS



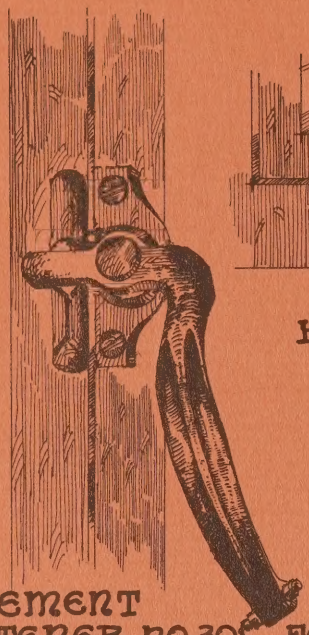
MESSER BROS IRON CO

ORIGINATORS OF WROUGHT IRON SASH

PLATE NO. CS-13-35

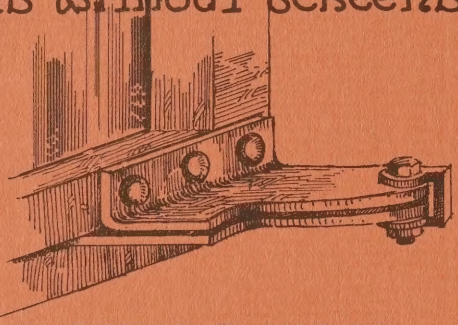
GUILDHALL CASEMENT HARDWARE

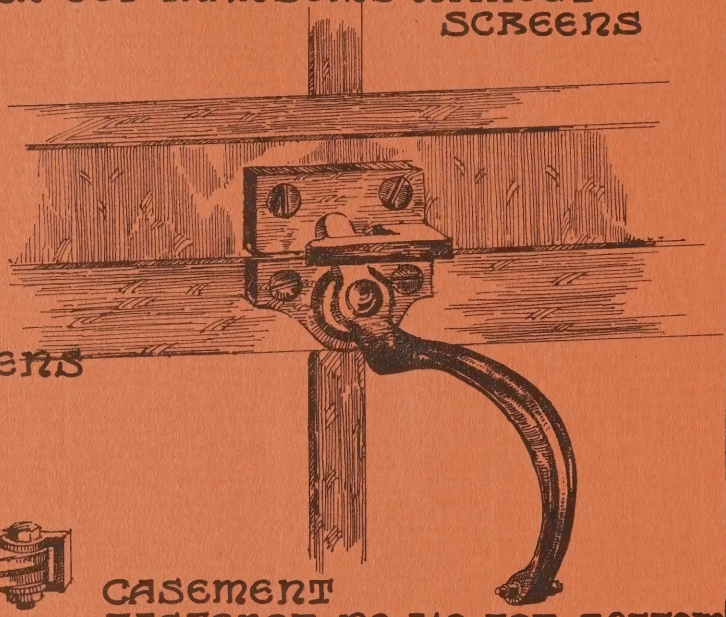
MALLEABLE IRON ~ TUMBLED, POLISHED OR ANTIQUE BRONZE



TRANSOM STAY NO. 312 FOR TOP HINGED OPEN OUT TRANSOMS WITHOUT SCREENS

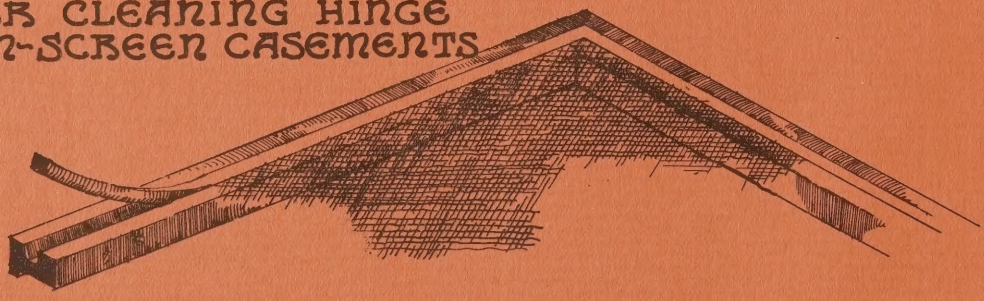
CASEMENT FASTENER NO. 301 FOR SIDE HINGED OPEN-OUT CASEMENTS WITHOUT SCREENS





CASEMENT FASTENER NO. 310 FOR BOTTOM HINGED OPEN IN CASEMENTS

MESKER CLEANING HINGE FOR NON-SCREEN CASEMENTS



THE MESKER INSECT SCREEN FOR GUILDHALL CASEMENTS
SOLID SECTION STEEL FRAME ~ SOFT ALUMINUM SPLINE ~ BRONZE WIRE CLOTH ~ GENUINE REWIREABLE FEATURE

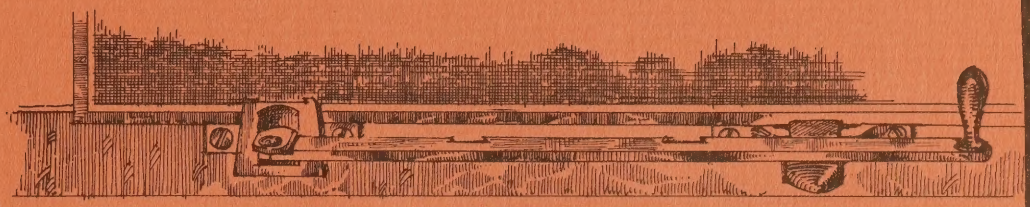
MESKER BROS IRON CO.

ORIGINATORS OF WROUGHT IRON SASH

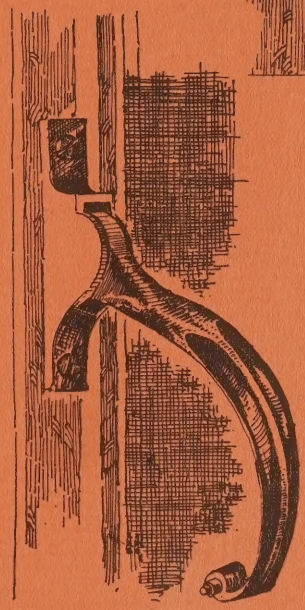
PLATE NO. CR-15-35

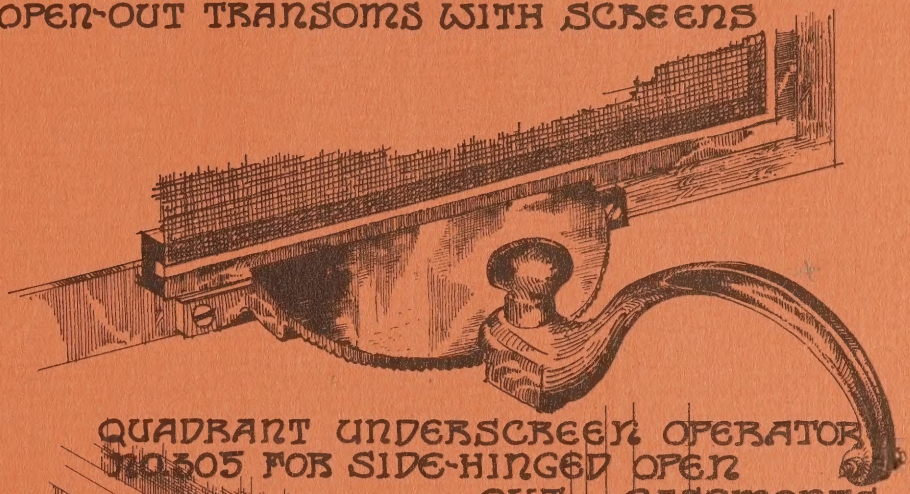
GUILDHALL CASEMENT HARDWARE

MALEABLE IRON - TUMBLED, POLISHED OR ANTIQUE BRONZE



TRANSOM STAY NO. 320 FOR TOP HINGED OPEN-OUT TRANSOMS WITH SCREENS



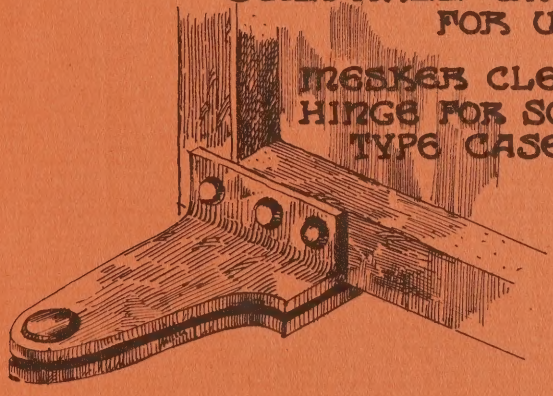


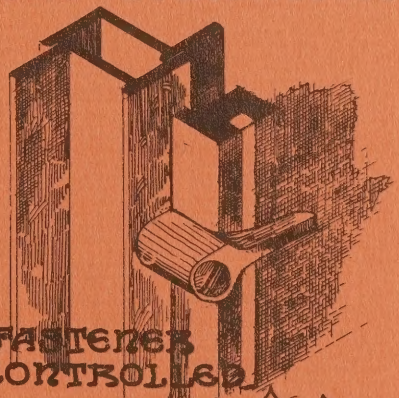
QUADRANT UNDERSCREEN OPERATOR NO. 305 FOR SIDE-HINGED OPEN OUT CASEMENTS.

CASEMENT FASTENER NO. 304 FOR SIDE HINGED OPEN-OUT CASEMENTS WITH SCREENS

GUILDHALL UNIVERSAL OPERATOR NO. 305B FOR UNDERSCREEN APPLICATION.

MESKER CLEANING HINGE FOR SCREEN TYPE CASEMENTS





SCREEN FASTENER SPRING CONTROLLED

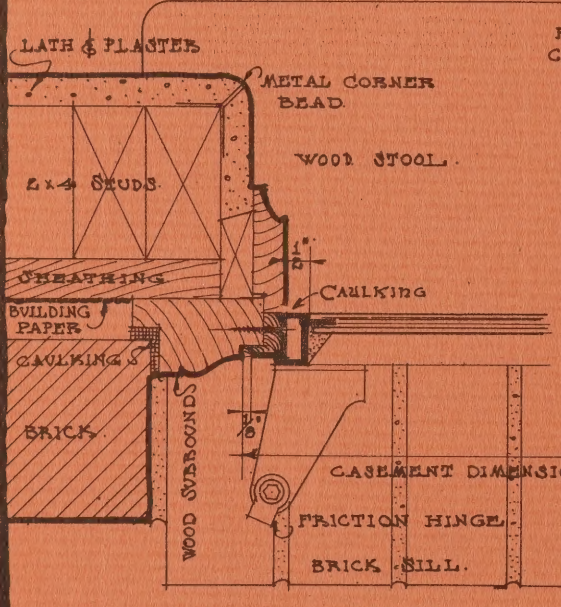
W. Jackson 34.

MESKER BROS IRON CO.

ORIGINATORS OF WROUGHT IRON SASH

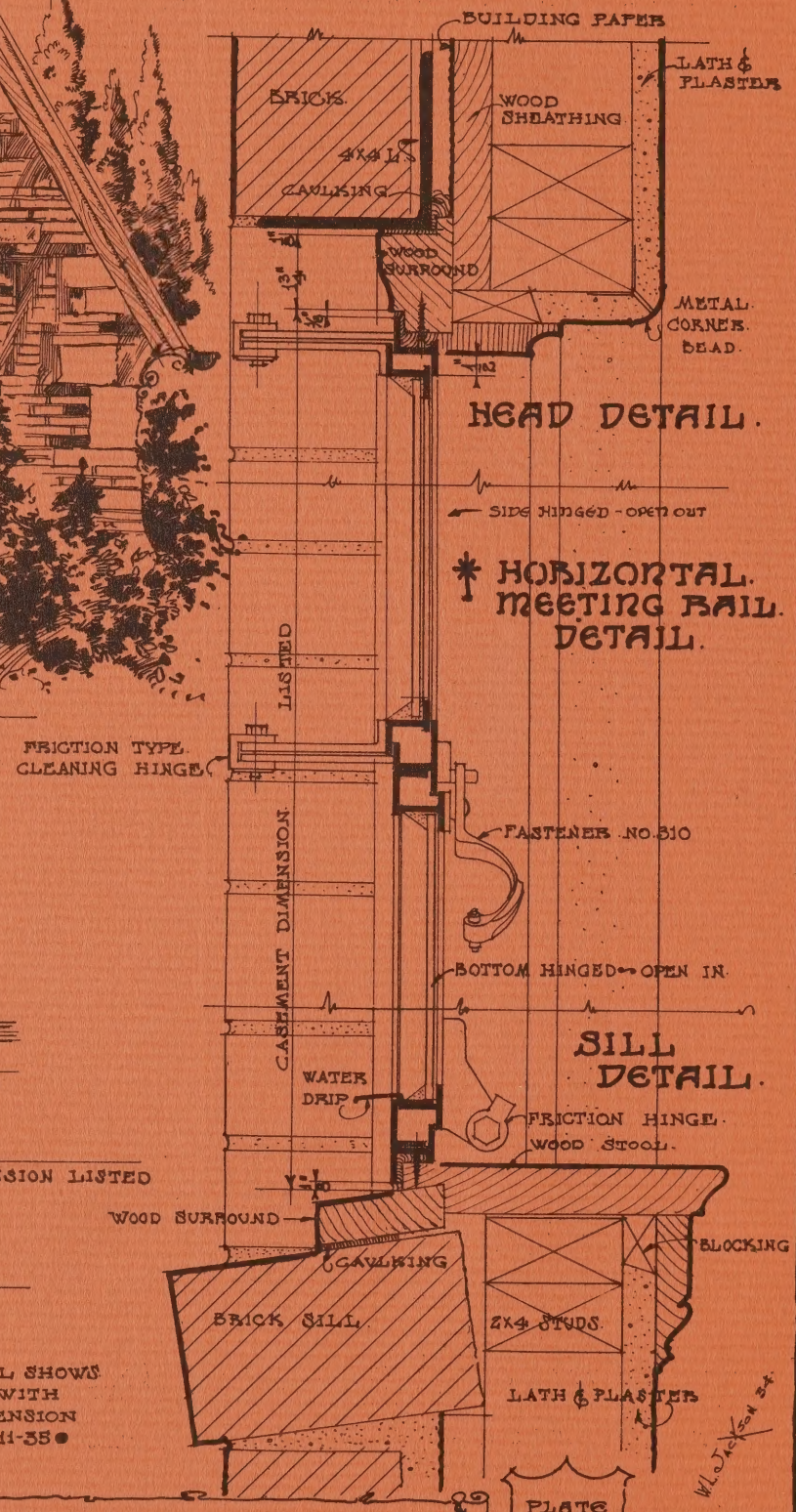
PLATE NO. CR 17-35

A TYPICAL BRICK VENEER GUILDHALL INSTALLATION



JAMB DETAIL.

* HORIZONTAL MEETING RAIL DETAIL SHOWS SILL VENTILATOR BUILT INTEGRAL WITH UNIT ABOVE IT • TOTAL HEIGHT DIMENSION IS DERIVED AS NOTED ON PLATE CR 11-35 •



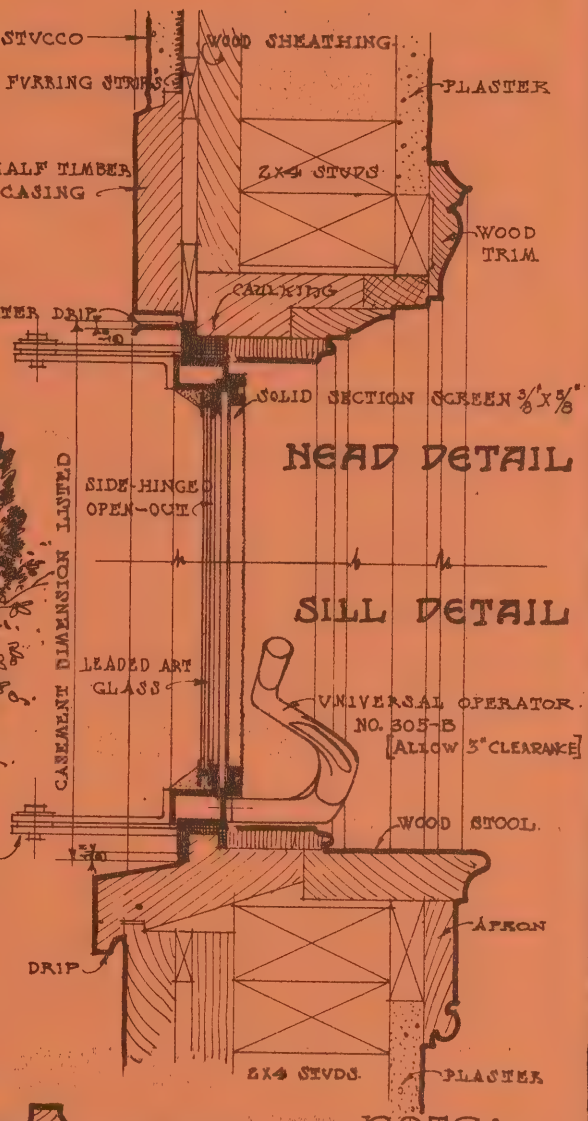
MESKER BROS IRON CO

ORIGINATORS OF WROUGHT IRON SASH

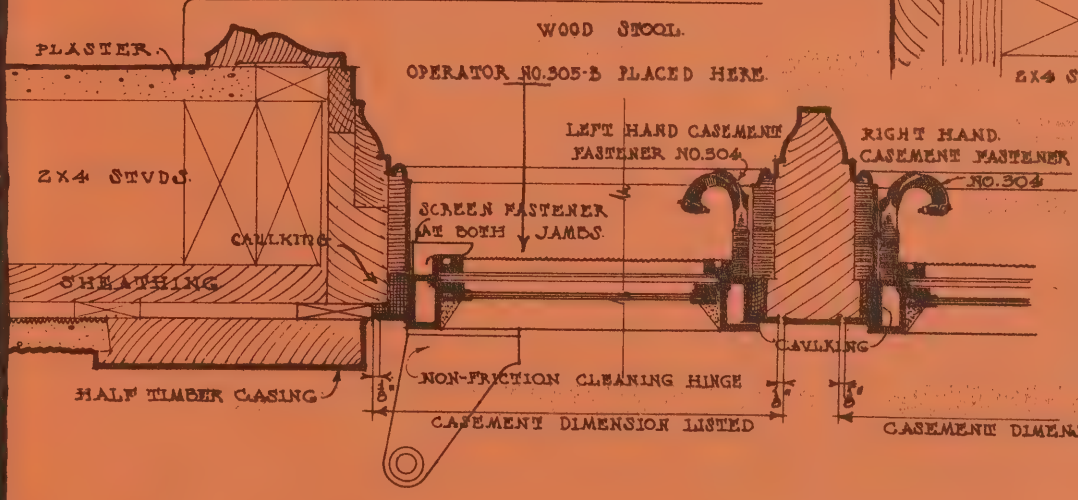
PLATE NO CR 19-35

W.L. JACKSON 34

An Example of
GUILDHALL CASEMENTS IN HALF TIMBER



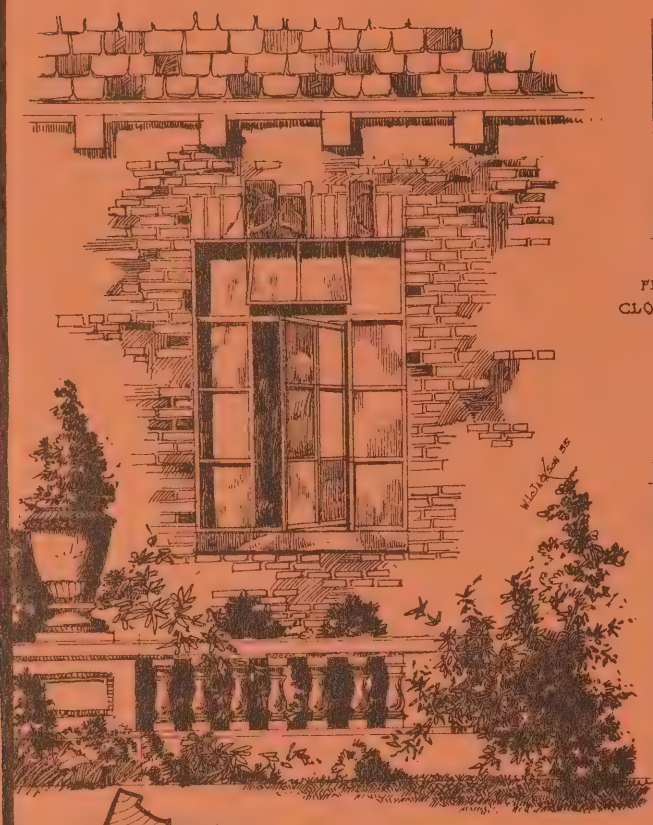
JAMB & IMPOST DETAIL



NOTE:
THE HANDING (RIGHT OR LEFT) OF HARDWARE IS DETERMINED BY VIEWING THE WINDOW FROM THE *INSIDE* ● THE SWINGING (RIGHT OR LEFT) OF VENTILATORS IS DETERMINED BY VIEWING THE WINDOW FROM THE *OUTSIDE* ●

MESKER BROS. IRON CO. — ORIGINATORS OF WROUGHT IRON SASH — PLATE NO. CR 21-35

GUILDHALL CASEMENTS. IN BRICK CONSTRUCTION



PLASTER

BRICK.

2"x4" BLOCK

4"x4" 12

12 GA. HEAD PIN.

FRICTION-TYPE CLOSE-UP HINGE

MESKER SOLID SECTION SCREEN 5/8"x5/8"

HEAD DETAIL

TOP HINGED OPEN OUT.

CASEMENT DIMENSION LISTED

HORIZONTAL MEETING RAIL DETAIL

UNDERSCREEN TRANSOM STAY NO. 320

NON-FRICTION CLEANING HINGE

MESKER SOLID SECTION SCREEN

SIDE-HINGED OPEN OUT

GUILDHALL UNIVERSAL OPERATOR NO. 305-B.

SILL DETAIL

WOOD TRIM.

JAMB DETAIL.

2"x4" NAILING BLOCK

SCREEN FASTENER.

5/8" x 5/8" SOLID SECTION MESKER SCREEN.

2"x4" BLOCK.

NO. 12 GA. JAMB PIN.

FURRING STRIP

CAULKING

NON-FRICTION CLEANING HINGE.

5/8"

BRICK.

CASEMENT DIMENSION LISTED.

CAULKING.

7/8"x4" BLOCKING.

STONE SILL.

BRICK.

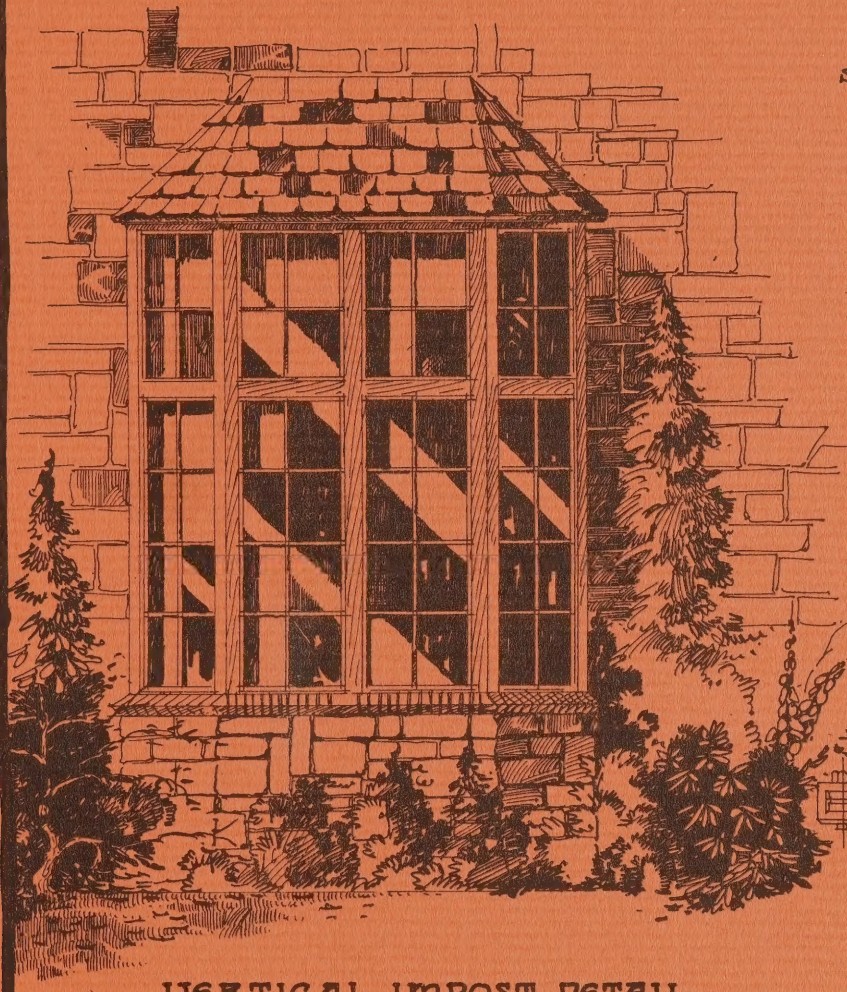
PLASTER.

MESKER BROS. IRON CO.

ORIGINATORS OF WROUGHT IRON SASH

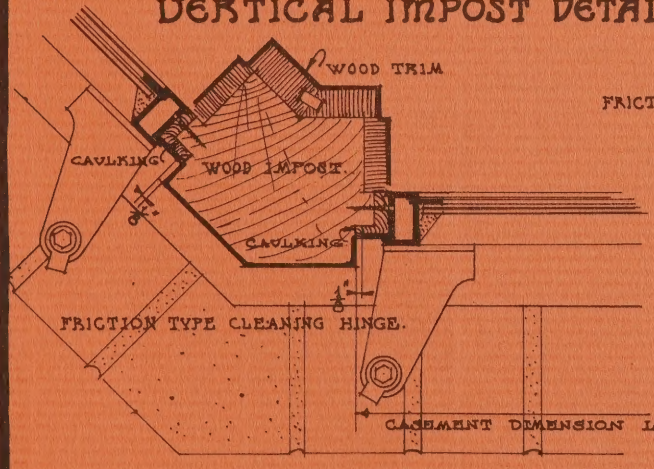
PLATE NO. CR 23-35

A BAY WINDOW USING GUILDHALL CASEMENTS.



SLATE ROOF
2x4 FRAMING
LATH & PLASTER
CAULKING
STATIONARY TRANSOM
CASEMENT DIMENSION LISTED
HEAD DETAIL
HORIZONTAL IMPOST
WOOD TRIM
WATER DRIP
SIDE HINGED OPEN OUT
CASEMENT DIMENSION LISTED
SILL DETAIL
FRICTION TYPE CLEANING HINGE
WOOD STOOL
WOOD SUB-SILL
2x4
CAULKING
BRICK SILL
PLASTER

VERTICAL IMPOST DETAIL



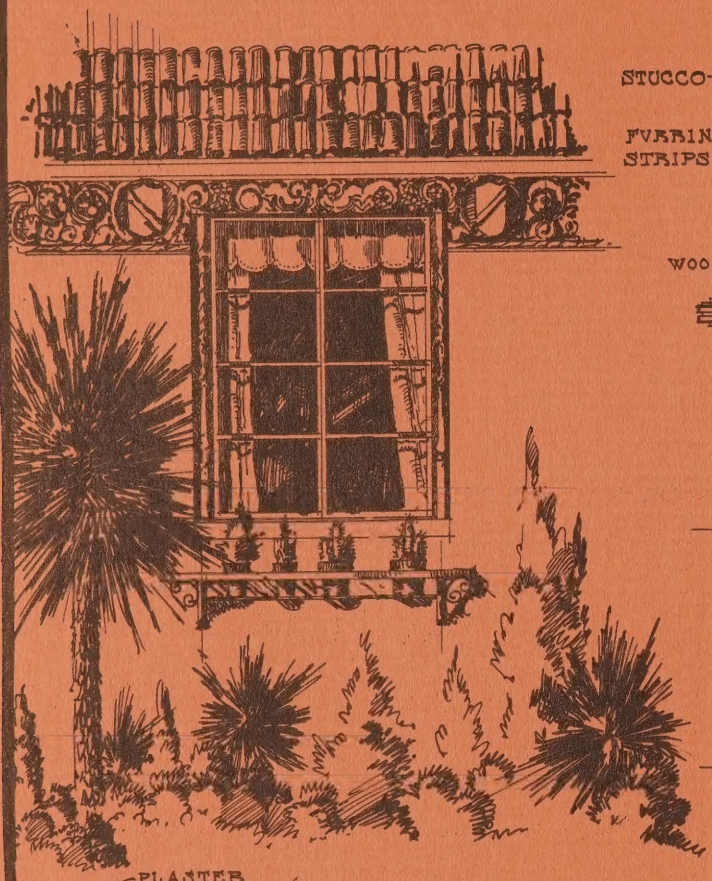
WOOD TRIM
CAULKING
WOOD IMPOST
CAULKING
FRICTION TYPE CLEANING HINGE.
CASEMENT DIMENSION LISTED.

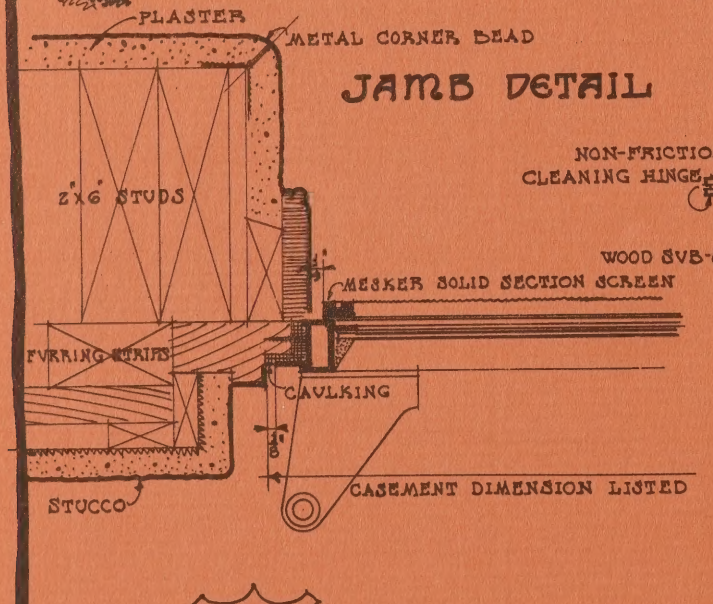
MESKER BROS IRON CO.

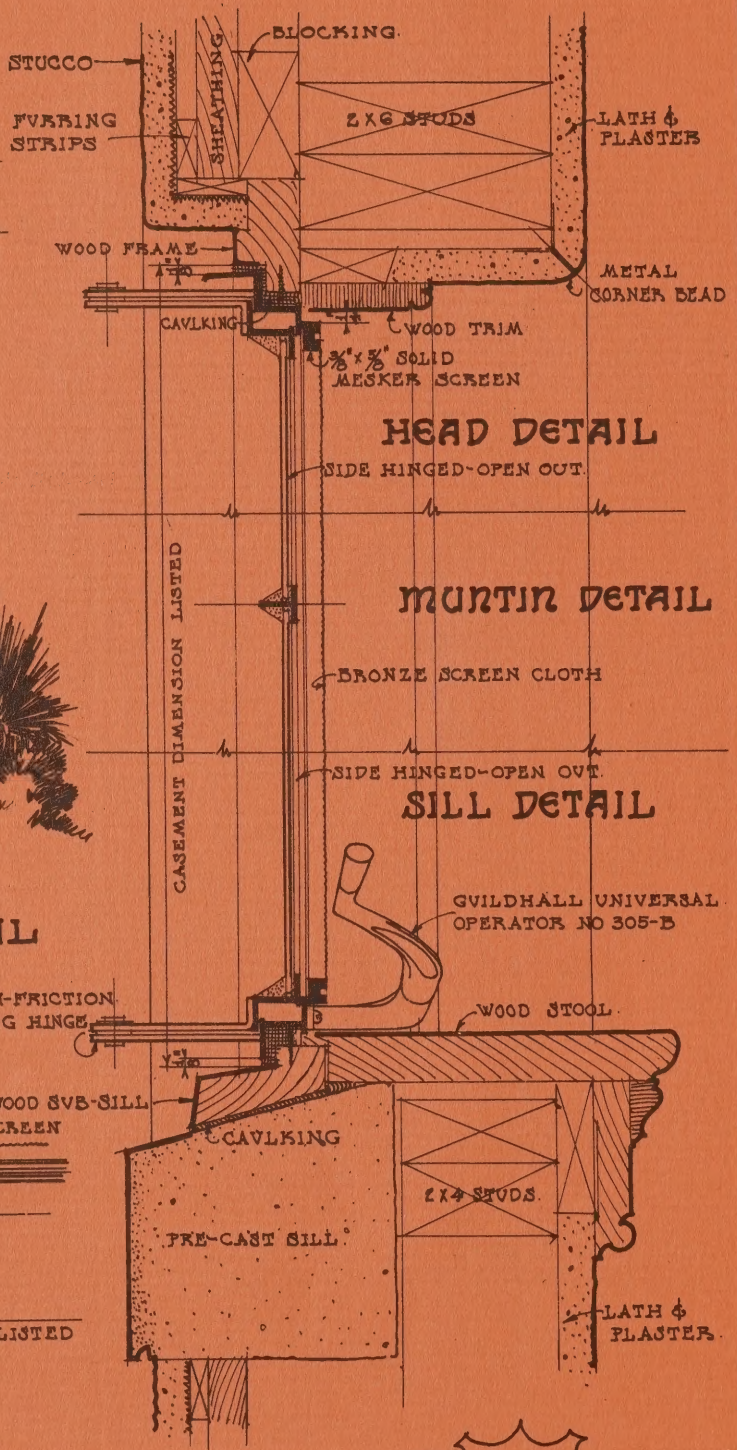
ORIGINATORS OF WROUGHT IRON SASH

PLATE NO CR 25-35

GUILDHALL SPANISH CASEMENTS IN STUCCO







MESKER BROS. IRON CO.

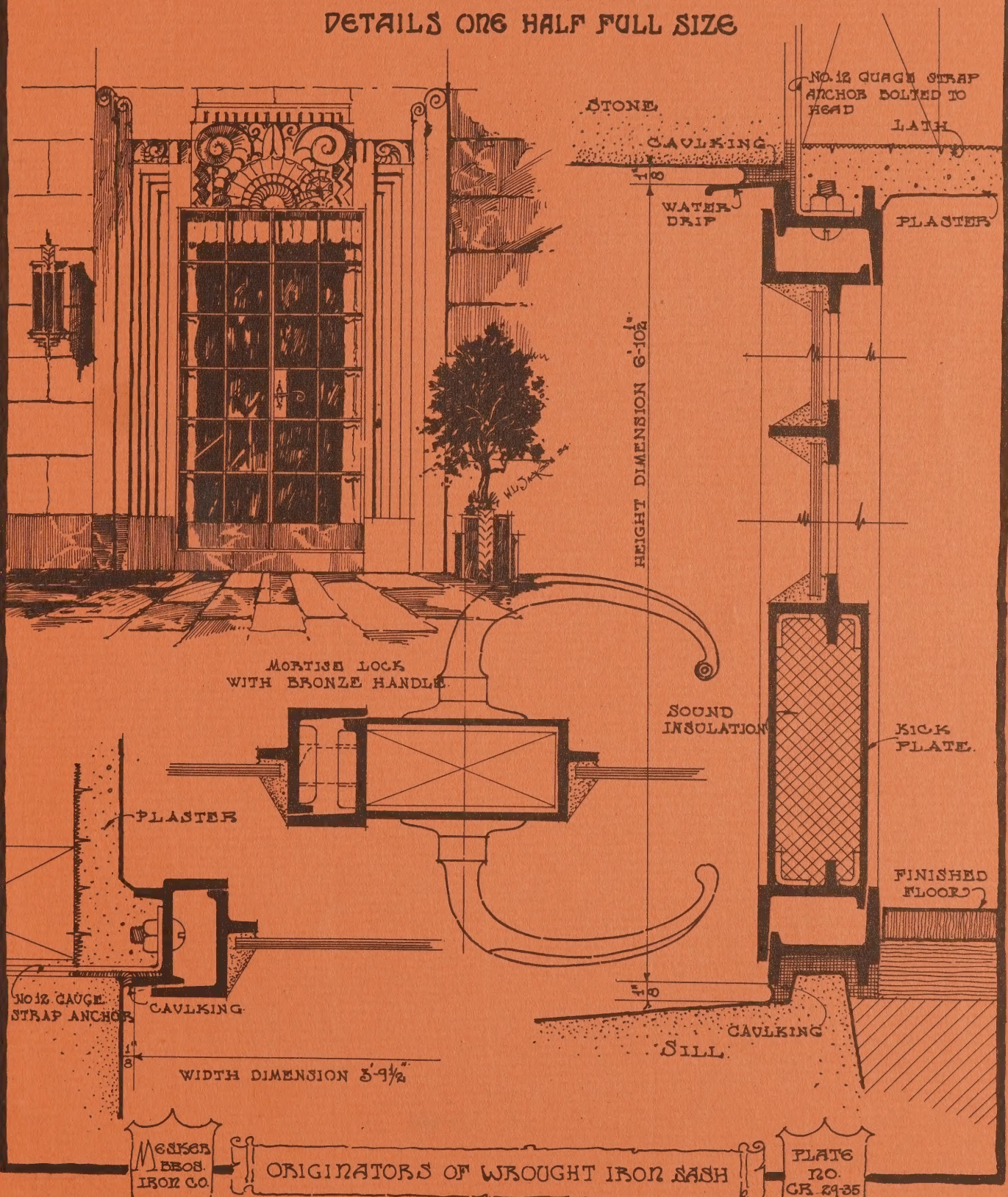
ORIGINATORS OF WROUGHT IRON SASH

PLATE NO CR 27-35

The GUILDHALL CASEMENT DOOR

FURNISHED IN ONE STANDARD SIZE ONLY

DETAILS ONE HALF FULL SIZE



MESKER BROS. IRON CO.

ORIGINATORS OF WROUGHT IRON SASH

PLATE NO. CR 29-35

YOU can obtain other catalogs on Mesker Products for the asking. If you don't have complete information on—

MESKER ARCHITECTURAL PROJECTED WINDOWS
MESKER PIVOTED AND PROJECTED WINDOWS
MESKER CONTINUOUS MONITOR WINDOWS
MESKER CASEMENT WINDOWS (Intermediate and Heavy)
MESKER INDUSTRIAL DOORS
MESKER OVERHEAD DOORS
MESKER HANGAR DOORS
MESKER MECHANICAL OPERATORS
MESKER BASEMENT WINDOWS
MESKER DETENTION WINDOWS
MESKER DOUBLE HUNG WINDOWS
MESKER SCREENS
MESKER SUB-FRAMES

—ask your nearest Mesker Sales Office:

Albert Lea, Minn.
Atlanta, Ga.
Austin, Tex.
Baltimore, Md.
Birmingham, Ala.
Buffalo, N. Y.
Burlington, Iowa
Canton, O.
Charlotte, N. C.
Chattanooga, Tenn.
Chicago, Ill.
Cincinnati, O.
Cleveland, O.
Columbia, S. C.
Columbus, Ind.
Columbus, O.
Dallas, Tex.
Davenport, Iowa
Dayton, O.
Denver, Colo.
Des Moines, Iowa
Detroit, Mich.
Duluth, Minn.
El Paso, Tex.
Flint, Mich.
Ft. Wayne, Ind.
Ft. Worth, Tex.
Grand Rapids, Mich.
Great Falls, Mont.
Harrisburg, Pa.
Houston, Tex.
Huntington, W. Va.
Indianapolis, Ind.
Jackson, Miss.
Jacksonville, Fla.
Joplin, Mo.
Kalamazoo, Mich.
Kansas City, Mo.
Knoxville, Tenn.
Lansing, Mich.
Little Rock, Ark.
Los Angeles, Calif.
Louisville, Ky.
Memphis, Tenn.
Miami, Fla.
Milwaukee, Wisc.
Minneapolis, Minn.
Mobile, Ala.
Montgomery, Ala.
Nashville, Tenn.
New Orleans, La.
New York, N. Y.
Ogden, Utah
Oklahoma City, Okla.
Omaha, Neb.
Orange, Tex.
Pensacola, Fla.
Philadelphia, Pa.
Phoenix, Ariz.
Pittsburgh, Pa.
Portland, Ore.
Portsmouth, O.
Richmond, Va.
St. Joseph, Mo.
San Angelo, Tex.
San Antonio, Tex.
San Francisco, Calif.
Seattle, Wash.
Shreveport, La.
Sioux Falls, S. D.
South Bend, Ind.
Springfield, Ill.
Tampa, Fla.
Toledo, O.
Tulsa, Okla.
Washington, D. C.
Waterloo, Iowa
Wichita, Kan.
Wichita Falls, Tex.

Colon, R. P.
Honolulu, T. H.

A. C. HAMMOND
ALBERT LEA, MINN.